

AMENDMENTS TO THE SPECIFICATION

Please replace the below paragraph, [0037], in the specification as follows:

[0037] The micropump 3, which for convenience is illustrated in FIG. 3 in a simplified way, is shown in detail in FIG. 5. The micropump 3 comprises a second body 33 of semiconductor material, for example silicon, accommodating a plurality of fluid-tight chambers 32. In greater detail, the fluid-tight chambers 32 have a prismatic shape, extend parallel to each other and to a face 34a of the second body 33, and have predetermined dimensions, as will be clarified hereinafter. In addition, the fluid-tight chambers 32 are sealed by a diaphragm 35 of silicon dioxide, which closes respective inlets 36 of the fluid-tight chambers 32 so as to maintain a preset pressure value, considerably lower than standard atmospheric pressure (for example, 100 mtorr). Preferably, the diaphragm 35 has a thickness of not more than 1 μm .

No new matter has been added with the amendment to the specification.